LONG BEACH FREEWAY (I-710) PAVEMENT REHABILITATION

www.dot.ca.gov/dist07/710_rehab

Caltrans District 7
120 South Spring Street
Los Angeles, California 90012
(213) 897-3656

PROJECT OVERVIEW FACT SHEET

Project Description:

Work began in March 2001 on this $16.7-million contract to rehabilitate a 2.5-mile stretch of the Long Beach Freeway (I-710) between Pacific Coast Highway (Route 1) and the San Diego Freeway (I-405) in Long Beach. Construction included replacing the metal median barriers with concrete barriers and widening the freeway shoulders. Construction is scheduled to complete in the fall of 2003.

This unique pilot project (a joint effort between Caltrans and the paving industry including contractors and material suppliers) challenged the asphalt industry to produce an asphalt (flexible) pavement product that will last longer. The project incorporates new asphalt mix designs, stricter material and construction specifications and pavement structural design concepts that are very different from traditional methods.

The project will mark the first large-scale use of asphalt concrete long-life pavement on a major California freeway. The goal is to develop and demonstrate new techniques that can be effectively used to replace aging pavements throughout the state with minimum traffic delay and less inconvenience to motorists.

I-710 LANE CLOSURES:

The first stages of work were done during weeknights when traffic volumes are lighter. It will be necessary to close some freeway lanes in both directions for ten extended weekends (Friday evening to Monday morning) to complete the more complex stages of construction. During these weekend closures, two lanes of traffic in each direction will remain open to motorists. The first of these extended closures will occur the weekend of March 28, weather permitting, and will continue through June 2003.

Caltrans will offer the contractor special bonuses as incentives to complete the work sooner and reduce the number of extended weekend closures. Caltrans is committed to investing nearly $400 million to rehabilitate the aging pavement on this critical route. This is the first of three major construction contracts currently in the works to rehabilitate the riding surface on 20 miles of I-710 from Pacific Coast Highway (Route 1) to the San Bernardino Freeway (I-10). All of the contracts are scheduled for completion by spring 2007.

Construction and closure dates are weather permitting and subject to change.

BACKGROUND:

I-710 is 46 years old, heavily traveled (155,000 Average Daily Traffic), and has one of the highest concentrations of deteriorated pavement in the state. Big-rig trucks carrying cargo from the Ports of Long Beach and Los Angeles account for 13 percent of the total traffic on I-710. The original design assumed only five percent of the traffic would be trucks.

Renewing pavement on urban highways is a critical issue confronting every transportation agency today. Much of the Interstate Highway System was built in the 1950s and 1960s and is now showing signs of wear. The Caltrans Longer Life Pavement Rehabilitation Team has been working with pavement industry representatives and the University of California at Berkeley through its Pavement Research Center to improve pavement performance, to make the roads ride smoother and last longer.

Caltrans recently conducted a similar pilot project on three miles of the San Bernardino Freeway (I-10) through Pomona. In that $16-million contract, Morrison Knudsen Corporation of Highland, California rehabilitated the freeway using new, fast-setting concrete paving techniques. Innovative procedures were used to replace damaged pavement slabs with Fast Setting Hydraulic Cement Concrete (rigid pavement) that hardened and was ready for traffic in just four hours.

More…

FOR AUTOMOBILES:

Northbound from Long Beach Area:

- Use westbound Route 47 to northbound Route 110
- Use northbound Route 103 to westbound Sepulveda Boulevard to northbound Alameda Street
- Use northbound Alameda Street, Long Beach Boulevard and Atlantic Avenue to Route 405 and 710 (signed detours)

Southbound to Long Beach Area:

- Use southbound Route 5 to southbound Route 605 to westbound Route 22/7th Street
- Use eastbound Route 105 or 91 to southbound Route 605 to westbound Route 22/7th Street
- Use westbound Route 105 or 91 to southbound Route 110 to eastbound Route 47

Northbound on Route 405 to Long Beach Area:

- Use westbound Route 22/7th Street
- Use southbound Atlantic Avenue, Long Beach Boulevard, Santa Fe Avenue and Alameda Street to Long Beach area (signed detours)

Southbound on Route 405 to Long Beach Area:

- Use southbound Route 110 to eastbound Route 47
- Use southbound Alameda Street, Santa Fe Avenue, Long Beach Boulevard and Atlantic Avenue to Long Beach area (signed detours)

FOR TRUCKS:

Northbound from Ports Area:

- Use westbound Route 47 to northbound Route 110
- Use northbound Route 103 to westbound Sepulveda Boulevard to northbound Alameda Street

Southbound to Ports Area:

- Use southbound Route 110 to eastbound Route 47/Ocean Boulevard
- Use southbound Alameda Street

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